

904,335.

J. F. LAWRY.
TURN TABLE.
APPLICATION FILED AUG. 13, 1908.

Patented Nov. 17, 1908.

Fig. 1.

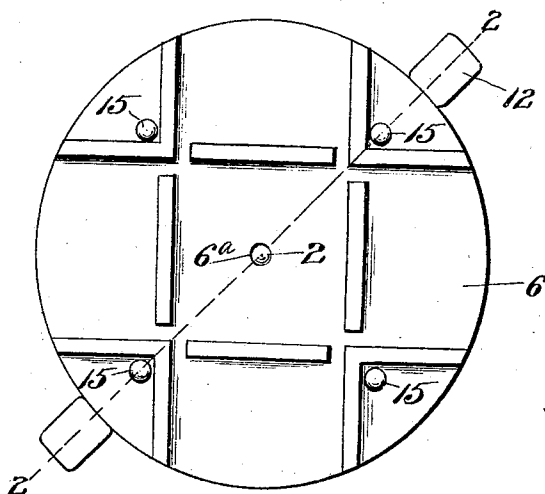


Fig. 2.

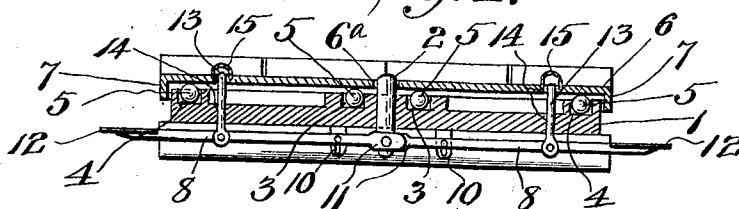
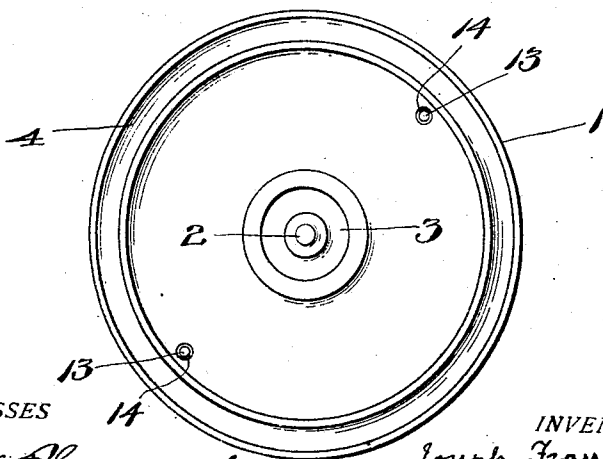


Fig. 3.



WITNESSES

Jas. H. Blackwood
Walter C. Blackwood

INVENTOR

Joseph Franklin Lawry
by *James H. Palk*,
Attorney

UNITED STATES PATENT OFFICE.

JOSEPH FRANKLIN LAWRY, OF WALLACE, IDAHO.

TURN-TABLE.

No. 904,335.

Specification of Letters Patent.

Patented Nov. 17, 1908.

Application filed August 13, 1908. Serial No. 448,442.

To all whom it may concern:

Be it known that I, JOSEPH FRANKLIN LAWRY, a citizen of the United States, and a resident of Wallace, in the county of Shoshone and State of Idaho, have invented certain new and useful Improvements in Turn-Tables, of which the following is a full and complete specification.

My invention relates to turntables such as used in mines for turning cars from tracks running off into the various galleries onto the main line; and it has for its object the provision of improvements consisting of principally antifriction mounting for the table and a trip mechanism for holding the table in position, so that the tracks thereon are alined with the tracks leading to the table, said trip mechanism being simple in construction and easy and effective in operation.

My invention will be described in detail hereinafter and illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of my improved turntable; Fig. 2, a cross-section on the line 2 2 of Fig. 1; and Fig. 3, a plan view of the base with the table removed.

In the drawings similar reference characters indicate corresponding parts in all of the views.

1 indicates the circular base of my improved turntable, having a central pin 2 secured thereto, a raceway-ring 3 surrounding said central pin 2, and another raceway-ring 4, adjacent to the edge of the base.

5 indicates antifriction-bearings, such as steel balls, in the raceway-rings 3 and 4.

The table 6 is formed with a central hole 6^a to receive the pin 2, and with a downwardly-extending flange 7 around its edge. The top of the table 6 is provided with crossed tracks 8.

9 indicates levers fulcrumed on supports 10, secured under the base 1, and having their inner ends formed with bifurcated portions 11, pivotally secured together and surrounding the lower end of central pin 2, and their outer ends with foot-plates 12.

13 indicates pins pivotally secured to levers 9 and extending upwardly through holes 14 in the base.

15 indicates holes in the table 6, one in each corner formed by the convergence of the crossed tracks 8, said holes being covered by hoods or thimbles 16.

In operation the car is run onto one of the crossed tracks 8. Then by pressing downwardly on one of the foot-plates 12 the two levers are actuated so that the pins 13 are drawn downwardly and out of engagement with the holes 15 in the table. The table and car thereon is then started around, being borne on the antifriction-bearings 5, the pressure on foot-plate 12 released, and as soon as the table has made a quarter-turn the pins 13 engage the holes other than the ones previously engaged and the table is then held in a locked position.

Having thus described my invention, what I claim, is—

1. A turntable comprising a base, levers fulcrumed under said base and having their ends pivotally secured together, pins pivotally secured to said levers, and the table formed with holes to engage said pins, substantially as shown and described.

2. A turntable comprising a circular base having a central pin, circular raceways containing antifriction-bearings, levers fulcrumed under said base and having their ends pivotally secured together, pins secured to said levers, the table formed with a central hole to receive the pin on the base and a downwardly-extending flange to engage the edge of the base and holes to engage the pins secured to the levers aforesaid, substantially as shown and described.

In witness whereof, I have hereunto set my hand in presence of two subscribing witnesses.

JOSEPH FRANKLIN LAWRY.

Witnesses:

H. B. KINNAR,
JAMES E. BROWN.